

AUDIONET



Harmony One

System Remote Control

User's Manual

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1 Preface

The Audionet Team congratulates you on your purchase of this unit.

The Audionet System Remote Control *Harmony One* is your answer to effortless home entertainment. The **Activities** button puts control for all your devices in one convenient location. You can go from watching TV to watching a DVD to listening to music with the touch of a button. You no longer need to type codes to get your remote working with your entertainment system. The guided online setup walks you through the step-by-step configuration of your *Harmony One* with your entertainment system and then you'll be ready to sit back and enjoy!

Whether you're new to the *Harmony One* or you consider yourself an expert, this user's manual provides you with useful information to get you going. Therefore, please read this manual carefully so you are able to use and enjoy all functions of this unit without any drawback.

1.1 ***Included***

Included you will find the following items:

- Audionet System Remote Control Logitech *Harmony One*
- User's manual (that you are currently reading)
- USB cable
- Rechargeable Li-ion battery
- Recharging station
- AC adapter for recharging station

1.2 ***Transport***



Important

- Please transport the Audionet System Remote Control *Harmony One* only inside the included package.
- Always use the plastic sheet to prevent scratches on the housing.
- For safety reasons please remove the rechargeable battery from the *Harmony One* during transport and place it, protected by its plastic sheet, into the package.

2 Getting to know your Harmony One

2.1 *How the Harmony One works*

The *Harmony One* is an Activity-based infrared (IR) universal remote control. Using the Harmony Remote Software, you can configure the *Harmony One* to control up to 15 devices.

Using an intelligent and powerful Activity-based technology, the *Harmony One* is able to keep track of the devices it controls, so it always knows which of your devices are on. Hence, the *Harmony One* switches effortlessly e.g. from watching a DVD to listening music on the stereo with the touch of a button.

2.2 *Activities, Devices and Inputs*

Activities are the basis for how the *Harmony One* works. Things like watching a DVD, listening to radio, playing a game are all examples of Activities you can set up for your remote using the Harmony Remote Software.

When you select an Activity, the *Harmony One* sends a series of commands to your entertainment system to turn on the necessary devices and configure them for the selected Activity. After you select an Activity, the *Harmony One* assigns the buttons on the remote so they control the proper devices and the screen displays other commands for that Activity.

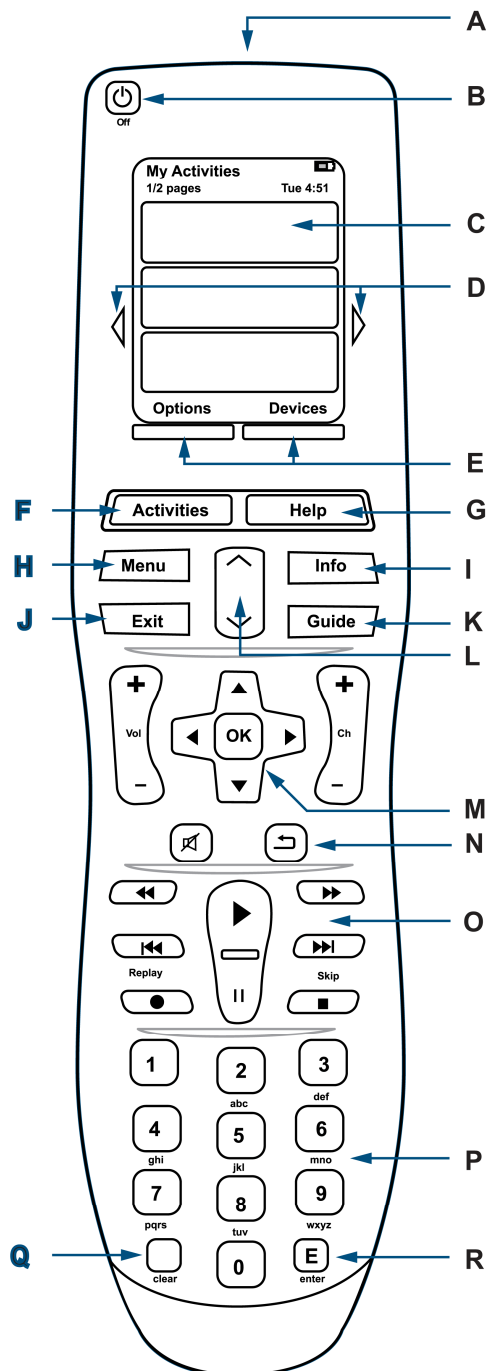
For information on how to select an Activity, or how to switch between Activities, refer to section '*Selecting an Activity*' on page 12 and section '*Switching between Activities*' on page 12.

Devices are the components of your entertainment system. They are things like your TV, cable box, DVD player, or game system.

Inputs are how your devices are connected. For example, if your DVD player is connected to your TV using the *Component 1* input, then the TV needs to be set to *Component 1* to display the DVD picture properly.

2.3 The buttons on the Harmony One

The buttons of the *Harmony One* may have different functions or control different devices depending on which Activity you are in. For further information, refer to section 'Commands common to the current Activity' on page 10.

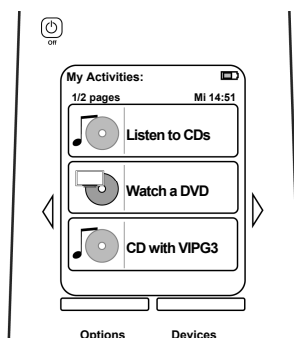


- A USB connector:** Connect one end of the USB cable to this connector and the other end to your computer so that you can download your configuration using the Harmony Remote Software.
- B Power button:** Turns all devices off with one button press.
- C Touch screen:** Shows lists of your Activities and Devices, help, infrared (IR) commands and any available listings.
- D Left / Right arrow:** Allows you to view more options on the display.
- E Function buttons:** These buttons are dynamic and select different functions on the remote or the Activity.
- F Activities:** Press Activities to view a list of Activities you have added. Press an Activity on the touch screen and the *Harmony One* will set up your entertainment system.
- G Help:** Asks you simple questions so that your *Harmony One* can fix problems you are having within an Activity.
- H Menu:** Gives you access to the menu system on a device, if you have a device with this feature.
- I Info:** Gives you additional information, if you have a device with this feature.
- J Exit:** Exits from an display menu or listing.
- K Guide:** Gives access to view program listings or on-screen menus, if you have a device with this feature.
- L Smart buttons:** While there is a default setting for the buttons in most Activities, you can customize these buttons to send different commands.
- M Navigation pad arrows:** allow you to move through menus or on-screen guides.
- N Prev:** Goes to previous television channel (for example).
- O Play area:** puts your play, pause, skip and other buttons in one area for quick access.
- P Number pad:** has the digits 0-9.
- Q Clear button:** clears an entry from the number pad.
- R Enter button:** enters a selection from the number pad.

2.4 Displays of the Harmony One

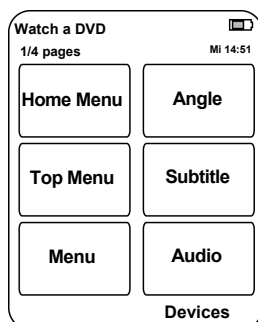
2.4.1 Activities

The **Activities** screen is your starting point on the *Harmony One*. From this screen, you can select your Activities.



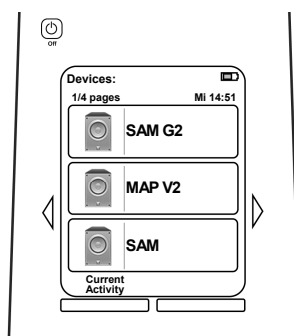
2.4.2 Commands common to the current Activity

When you select an Activity, the screen of your *Harmony One* displays all the commands related to that Activity, not just the ones related to the primary device of that Activity. For example, if you are watching a DVD, the screen displays functions and commands for your DVD and other devices you use in the **Watch a DVD** Activity.



2.4.3 Devices

When you press the **Devices** button, the screen of your *Harmony One* displays a list of your devices. From this screen, you can control individual devices.



2.4.4 Favourite Channels

You can set up your favourite channels on your *Harmony One* so that you have quick access to the channels you watch the most. Also, you can add your own icons to customize the screen for your favourite channels (refer to section '*Setup your Favourite Channels*' on page 31).

2.4.5 Options

When you press this button, the screen of your *Harmony One* displays a list of remote options so you can customize certain features and functions on the remote (refer to section '*Personalizing the Harmony One*' on page 34).

2.4.6 Status icons



- A** Displays the current Device, current Activity, further system messages and the number of sub pages..
- B** The status indicator flashes whenever an infrared (IR) command is being sent from your *Harmony One*.
- C** The battery indicator shows you the status of the rechargeable battery. Refer to section '*Charging the remote control*' on page 24 on how to charge the battery of your *Harmony One*.
- D** The current date and time display on your remote screen. How to set up date and time on the remote is discussed in section '*Setting the date and time*' on page 16.

3 Using the Harmony One

3.1 Menus on the touch screen

If a menu or listing stretches over more than one screen page, use the corresponding arrow buttons **[D]*** to go to the next or previous page of the menu or listing.



3.2 Selecting an Activity

Press button **Activities** **[F]** to get a list of all Activities currently programmed into the *Harmony One*.



The screen displays all available Activities. To select and start an activity, touch the item on the screen.

3.3 Switching between Activities

To select a new Activity, press the **Activities** button **[F]**, and select the Activity you want. The *Harmony One* will take care of powering on the needed devices, and powering off the ones not needed. Please read section 'Adding and changing Activities' on page 20 on how to add new Activities and to customize existing ones.

3.4 Turning off your devices

Press the **Power** button **[B]** to power off all devices used in the current Activity.



* see numbers in section "The buttons on the Harmony One" on page 9.

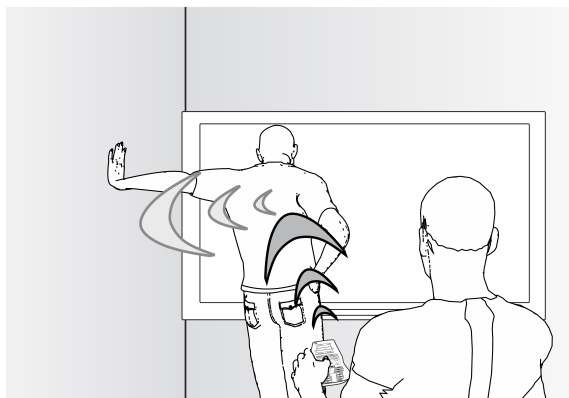


Note

- You do **not** need to press the **Power** button **[B]** when switching between Activities. The *Harmony One* ensures the proper devices for the Activity are switched on or off.

3.5 Using the Help button

Because obstacles or distance can interfere with the signals the *Harmony One* sends when it starts an Activity (for example, someone walks between your *Harmony One* and the TV when you press **Watch TV**, or you are very far away from the system when you start an Activity), your *Harmony One* can become 'out of sync' with your devices.



To fix the problem, use the help feature on your *Harmony One*.

1. On the remote, press the **Help** button **[G]**.

Help

2. Answer the questions on the screen of your *Harmony One* by selecting **Yes** or **No**.

Based on your answers, the *Harmony One* re-sends the necessary commands to synchronize with your devices. When you are done with this process, the *Harmony One* will be 'in sync' with your devices.



Important

- Before using the **Help** button **[G]**, be sure you have addressed the cause of the problem, such as removing any obstacles from the line of sight.

3.6 Using your Favourite Channels

When you set up your Favourite Channels on the *Harmony One*, the item **Favourite Channels** is added to the list of commands for the Activities **Watch TV** and **Record Video**.

To use your Favourite Channels:

1. Select the Activity **Watch TV** or **Record Video**.
2. Use the arrow buttons **[D]** to get to the last page of the command list.
3. Press button **Favourite Channels**. The list of favourite channels you have added appears on the screen.
4. To select a channel, simply press the corresponding button.

Use button **Exit** at the end of the list of favourite channels to return to the command list.



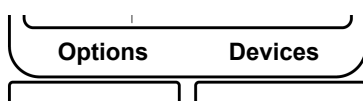
Note

- Refer to section '*Setup your Favourite Channels*' on page 31 on how to setup Favourite Channels.

3.7 Controlling devices individually

In some cases, you may need to control a device individually (for example, to access a function rarely used). You can use the Devices feature of the *Harmony One* to control devices one-by-one.

When you press the **Devices** button **[E]**, the screen of your *Harmony One* displays a list of your devices.



Select the device you wish to control. After you selected a device, the *Harmony One* controls only that device. You have access to all the commands for the device included in your *Harmony One* configuration.



Tip

- Once you have finished, return to the current Activity for the optimal control of your entertainment system. For this, press the item **current Activity**.

3.8 Charging the remote control

Your *Harmony One* comes with a charging station. The charging station plugs into a wall outlet and charges the battery every time you put the remote on it. All you need to do is pick up the *Harmony One*, use it, and place it back on the charging station when you are done to ensure it stays charged.

To get the charging station operable, you have to connect the AC adapter to the charging station as shown in step 1 below. Install the cable of the AC adapter into one of the cable channels on the backside of your charging station.

Plug the AC adapter into the outlet (see step 2 below). Now the charging station is ready to operate.

As soon as you place the *Harmony One* onto the charging station, the battery will be charged (step 3 below).



In the upper right corner of the display screen is the battery indicator. If only one red segment is left, the battery needs recharging. Additionally, the *Harmony One* will issue a warning on the screen right before the battery is completely empty.

The battery is fully charged when the battery indicator shows 3 green segments.



Note

- You can recharge the battery every time the *Harmony One* is not in use. This does not affect the lifetime of the battery, and the remote is always charged ready to use.

As soon as the charging station is connected with mains using the AC adapter, the Logitech logo will light up. Use the switch on the backside of the charging station to select the illumination level, or switch off the light completely.



3.9 Setting the date and time

You can change the date and time that appears on the screen of the *Harmony One*. To set the date and time, follow these steps:

1. Press the **Activities** button **[F]** to display the list of Activities on the screen of your *Harmony One*.
2. Touch the item **Options** **[E]** to view the list of system options on the screen.
3. Press the button **Use the Current Time** and enter date and time according to the instructions on the screen.
4. To return to the Activities list press the button **I'm Done**.

4 Setting up the Harmony One



Important

- Audionet programmed your *Harmony One* by default for control of Audionet devices so that you can use the remote without the need of initial configuration. In order to use the full potential of your *Harmony One*, you should define your own Activities or customize the pre-defined Activities to your entertainment system. For this you have to use the included Harmony Remote Software.



Tip

- In case you should experience any problems installing the Harmony Remote Software or connecting the remote to your computer using the USB port, please refer to the toll-free Harmony support hotline (refer to section '*Logitech support hotline*' on page 43).

4.1 Installing the Harmony Remote Software

After downloading and executing the installer file the guided online installation starts. Follow the instructions on the computer screen during the installation of the Harmony Remote Software.



Important

- **While downloading, installing and operating the Harmony Remote Software you need an active internet connection.**
- Also refer to section '*System requirements*' on page 48.

1. Download the Harmony Remote Software installer for Windows® systems: **LogitechHarmonyRemote7.7.0-WIN-x86.exe**

or for Macintosh® / OSX systems:

LogitechHarmonyRemoteSoftware7.7.0-OSX.dmg

using this internet link:

<ftp://ftp.logitech.com/pub/techsupport/harmony/>

2. After the download please execute the file:
LogitechHarmonyRemote7.7.0-WIN-x86.exe (Windows®) or
LogitechHarmonyRemoteSoftware7.7.0-OSX.dmg (Macintosh®).
3. Follow the instructions on the computer screen until the end of the installation process.
4. After installing the software, the application starts.

As soon as the Harmony Remote Software has connected to the Logitech server, it checks for updates automatically and downloads them if necessary. Then you see the login screen. The following section discusses the login procedure in detail.

4.2 Login for returning user



Note

- **Audionet set up an user account for all customers. In case you did not get any account information (i.e. LoginID and password), please contact the Audionet customer service. For any inquiry please have the exact model name and serial number ready.**



Important

- **If you create a new user account at this point and transfer the new configuration to your *Harmony One*, all configurations for Audionet devices will be irretrievably deleted and overwritten!**
In this case, please login with the LoginID and password provided by Audionet and update your *Harmony One* configuration by clicking the button **Update Remote**.

To login to an existing account, enter LoginID and password into the corresponding fields of the **Returning User** mask of the Harmony Remote Software. To start the login procedure click button **Login**.



Important

- Passwords are case-sensitive!.

The screenshot shows the Harmony Remote Software login interface. At the top is the Harmony logo. Below it, the interface is split into two columns. The left column, titled 'New User', contains the text 'Create an account to store your remote control settings.' and a 'Create New Account' button. The right column, titled 'Returning User', contains the text 'Enter your login ID and password.' followed by 'Enter your Login ID:' and a text input field. Below this is a checkbox for 'Remember my Login'. Then it says 'Enter your Password:' followed by another text input field. A note '(Passwords are case-sensitive)' is shown below the password field, followed by a checkbox for 'Remember my Password'. A 'Login' button is positioned to the right of the password field. At the bottom of the right column are two links: 'I forgot my password' and 'Dealer Login'.



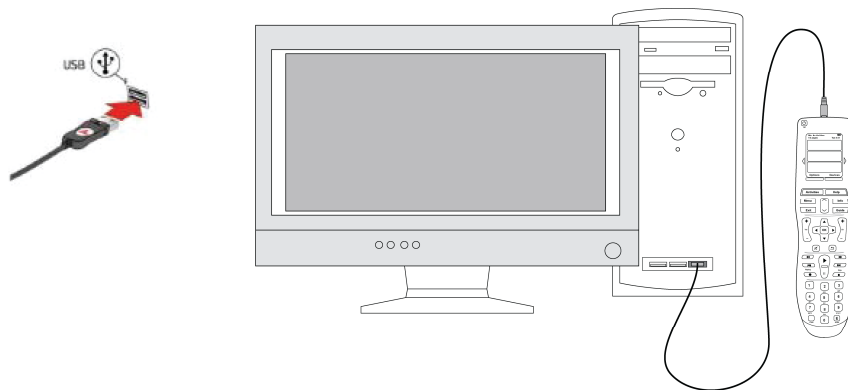
Tip

- If you forgot your password, click on **I forgot my password**.
- If you mark the box beside **Remember my Login**, your LoginID will be inserted automatically every time you start the Harmony Remote Software.
- If you also mark the box beside Remember my Password, your password will inserted automatically, too, when you start the Harmony Remote Software. You simply have to click on the button **Login** to log onto your account.
- In section '*Update your login information*' on page 20 you will find detailed information on how to change the password.
- If you would like to change the language of the Harmony Remote Software, click on **Select Language** in the top right corner of the login screen and select the desired language from the pull-down menu.

Each time you login, the Harmony Remote Software opens your home page. Your home page is where you can manage your Activities and Devices, as well as change the settings on your remote. Whether you want to add a new Activity, or customize remote buttons, the Harmony Remote Software home page is the place to start.

4.3 Connecting the Harmony One to your computer

Remove the *Harmony One* from the charging station. As soon as you are asked by the Harmony Remote Software, connect the *Harmony One* to your computer using the provided USB cables as shown in the pictures below:



1. Connect the smaller end of the cable to the USB port on your remote.
2. Connect the wider end of the cable to a free USB port on your computer.

Any changes you made in the Harmony Remote Software will only be transmitted to the *Harmony One* over the USB connection when you click the button **Update Remote** on your home page screen (refer to section 'Update remote' on page 31).

4.4 Update your login information

When logged in to an existing account, you can view and update your personal user data. Click on **Preferences** on the top right of your home page. Now follow the instructions on the screen. If necessary update your user data. You also may enter a new password.

4.5 Logout

After finishing your work with the Harmony Remote Software or if you like to login with a different LoginID, click on **Logout** top right. You logout from the current account and return to the login screen.

5 Changing your setup

Whether you get a new device, want to change the behaviour of some buttons or customize some settings, you need to make changes to the configuration of your *Harmony One*. The following sections provide you with information to help you with these tasks.



Tip

- If any questions or problems turn up during the setup of your *Harmony One*, please refer to section 'Getting help with your Harmony One' on page 41. All possible help options are addressed there.

5.1 Adding and changing Activities

To set up Activities, you need to enter the information related to the Activities you will be using on your *Harmony One*. The Harmony Remote Software shows you a selection of recommended Activities based on the device information you provided.

When you set up Activities, the software asks you questions about the function of each device. For example, if you set up the **Watch TV** Activity, you are asked which device changes the channels (TV or satellite/cable box).

If you only have one device that is capable of doing something, then the software skips the question. For example, if you only have one TV, the software does not ask you which device displays video.


If a device has more than one input, the software asks you which input the device needs to be set. If you are not sure which input a device uses, see section '*Identifying the inputs of your system*' on page 25.



Tip

- Activities are the basis for how the *Harmony One* works. With Activities, the *Harmony One* eliminates the need to use multiple remotes for simple tasks. Just select the Activity and the *Harmony One* does the rest.
- The Audionet standard configuration comprises some common Activities. You can customize them very easily for optimal control of your entertainment system.

In the Harmony Remote Software, select the **Activities** tab.

- To add an Activity, click **Add Activity**.
- To remove an Activity, click the  icon for the Activity you want to remove.
- To modify the settings for an Activity, click the **Settings** button for the Activity you want to modify.

5.2 Renaming an Activity

In some cases, you may want to rename an Activity. You can rename any Activity using the Harmony Remote Software.

To rename an Activity, go to the Harmony Remote Software:

- Select the **Activities** tab.
- In the Activity you want to rename, click **Settings**.
- Select the option **Rename <current Activity name>**, click on **Next** and follow the instructions on the screen.

5.3 Changing how buttons work in an Activity

When you select an Activity, your *Harmony One* turns on all the required entertainment devices, sets up the device inputs correctly, and sets up the remote's buttons to control the devices in the Activity. For example, when you select the **Watch a DVD** Activity, the volume buttons on the *Harmony One* changes the volume.

However, there may be some commands you want to add to buttons or display on the remote's screen. Using the Harmony Remote Software you can add or customize how buttons work in any Activity quickly and easy.

From the Harmony Remote Software:

1. Select the **Activities** tab.
2. In the Activity in which you want to change a button, click **Customize Buttons**.
3. Follow the online instructions.

5.4 Adding custom buttons to an Activity

If you want a button to do something specific, or there's a function on your device's original remote that's not on the *Harmony One*, you can create your own buttons that appear on the screen of the *Harmony One*. You can also change the name of a button on your remote's screen to help make them easier to find.



Tip

- When you create a custom name for a button, remember to think about how the name will look on the remote's screen. We recommend keeping button names to 10 characters or less.

When you use your *Harmony One* to control devices one-by-one, you can customize the commands that appear on the remote's screen to make the function you use easiest to find. You can even add the commands you are missing to your Activities so they will always be easily accessible. If there is a button you do not use, you can remove buttons that appear on the remote's screen using the Harmony Remote Software.

To customize the buttons that appear on the screen of your *Harmony One*, from the Harmony Remote Software:

1. In the Activity for which you want to customize a button, click **Customize Buttons**.
2. Follow the online instructions.

5.5 *Changing the order of Activities on the screen*

You can easily change the order in which your Activities appear on your remote's screen. Rearranging the order of the Activities allows you to have the Activities you use most often appear at the top of the list.

From the Harmony Remote Software:

1. Click the **Activities** tab.
2. Click **Re-order Activities**.
3. Follow the online instructions.

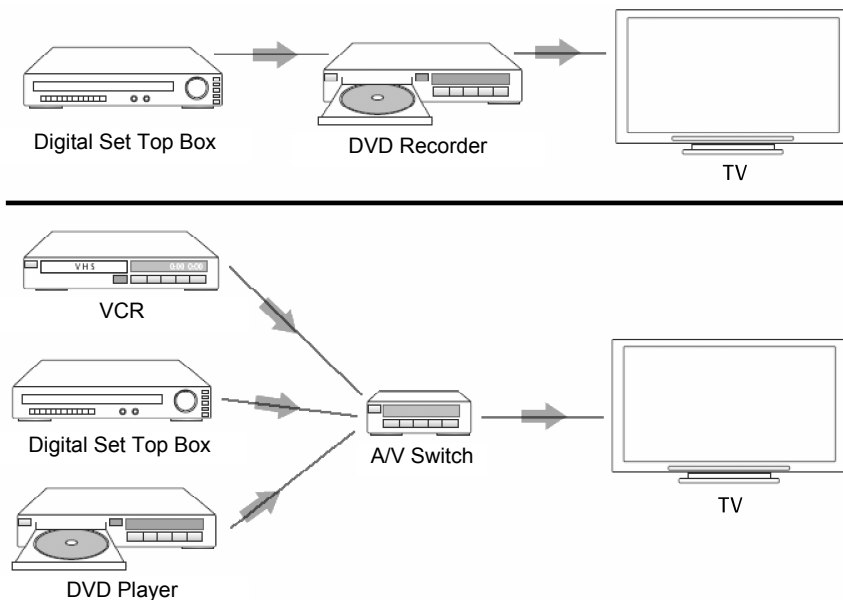
5.6 *Adding an extra device to an Activity*

You can add additional devices to any existing Activity, if this is necessary to control your entertainment system. Here now two examples:

A passthrough device is a device that you add to your system that a signal passes through unaltered.

For example, if you use your DVD recorder (or VCR) to record shows from your satellite or set top box, you may need to add your DVD recorder as a passthrough device.

In these examples, the DVD recorder and the A/V Switch are used as passthrough devices.



To add an extra device to an Activity, go to your homepage:

1. Select the **Activities** tab.
2. Click **Settings** next to the appropriate Activity.
3. Select **Review the setting for this Activity**.
4. Select **Yes, but I want to add more control of options and devices for this Activity**.
5. Click **Next**.
6. Follow the online instructions to complete the setup.

5.7 Adding a new Device

To add or change a device in the setup of your *Harmony One*, use the Harmony Remote Software as follows:

1. Select the **Devices** tab.
2. To add a device, click **Add Device**.

The guided online setup asks you to enter your device information. Enter The information for all entertainment components you want to control with your *Harmony One*. You should use Device Worksheet to gather all your device information before starting the setup process:

1. Select the Device Type for each of your devices.
2. Select the Manufacturer for each device.
3. Enter the Model numbers for each device.
4. Follow the online instructions.



Tip

- You will find a worksheet that helps you gathering all device information in section '*Device Worksheet*' on page 47 or use the hyperlink **Device Worksheet** in the **Tip Center** on the right side of the Harmony Remote Software's screen while entering the device information.

5.8 Changing the setup of a Device


To make any changes to a device already existing in the configuration of your *Harmony One*, do the following in the Harmony Remote Software:

1. Select the **Devices** tab.
2. To modify the settings for a device, click the **Settings** button for the device you want to modify.

3. Select the item you would like to change for the current device from the Device Options list and click **Next**.
4. Follow the online instructions.

5.9 Delete a Device

If you want to remove an existing device from your *Harmony One*, proceed in the Harmony Remote Software as follows:

1. Select the **Devices** tab.
2. Click on the  icon for the device you would like to remove.
3. Follow the online instructions.



Important

- If you delete a device, be sure to update your Activities!

5.10 Identifying the inputs of your system

One of the most important parts to creating your Activities for your *Harmony One* is determining which inputs your system uses for each device. This chapter gives you some suggestions on how to figure out which inputs your entertainment system uses if you are not sure.

Inputs are how the devices in your entertainment system are connected. For example, your DVD player or cable box is connected to your TV through an input. If you use an AV Receiver to control the sound on your devices, for example if you have a home theater system, this chapter will also help you figure out the inputs for your audio connections.

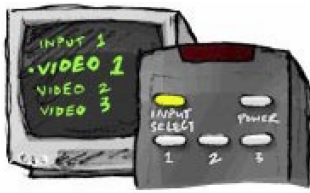
After you know how your devices are connected, you can use the information to create your Activities using the Harmony Remote Software.

Step 1 – Identifying the type of input control

The first step in determining which inputs you have is to figure out how you use your device's original remote to change inputs. In general, there are four possibilities and each one is described in this section. To figure out which option your TV or AV Receiver uses, look at your device's original remote and see which option fits.

Option 1

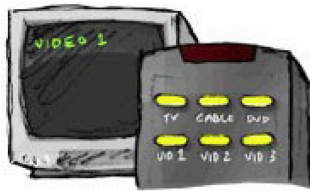
One source button



In this case, your remote has only one source or input select button. When you press the source button, your device switches to the next input and the label appears on your TV screen. Each time you press the source button, the device switches to a new source until you get back to where you started.

Option 2

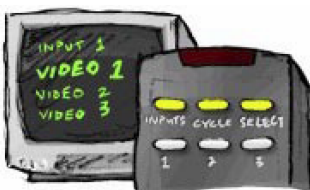
Several source buttons



In this case, your device's original remote has several source buttons – one for each input. For example, you may have buttons labelled TV, DVD, VIDEO 1, or S-VIDEO. When you press one of the source buttons, the device switches to the source you selected and the label appears on your TV screen.

Option 3

Select the input from an on-screen menu

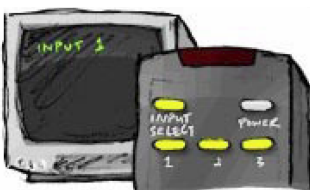


In this case, your device uses an on-screen menu from which you can select the input you want. When you press the source button, the menu appears on your TV screen. Then, you use another button on the remote to choose the input you want, and then a third button to select the input.

For example, you press the source button to display the on-screen menu, the arrow keys to select an input, and then the OK button to enter your selection.

Option 4

Select the source form a list



In this case, your device has a list of inputs and you can use the button on the remote to select the input you want from the list. After you press the source button, you have to press another button on the remote that selects the input you want. In this option, there is no menu from which to choose (option 3) and you do not have to cycle through all inputs to get to the one you want (option 1).

Step 2 – Turn on all your devices

To determine which devices are using which inputs, we recommend you start by turning on all the devices in your entertainment system. If possible, you should even start something playing on your DVD player, CD player, VCR, etc. By having all your devices on, it's easier to see how they are connected. It is also handy to have some paper and a pen so you can note which devices are connected to which inputs.

Step 3 – Video

In this step, you must use the original remote control of your viewing device (TV, plasma, projector etc.) to switch between inputs:

1. Using your viewing device's original remote, select each input one-at-a-time.
2. For each input, note which device appears to be connected to that input. For example, if you switch to VIDEO 1 and see your DVD playing, you know your DVD player is connected to input VIDEO 1.
3. Repeat the previous step for each input.

Step 3 – Audio

In this step, you will determine which device manages the sound for your entertainment system (e.g. an AV Receiver).

For example, you have a home theater system or connect your TV to your stereo so the sound comes out of your stereo speakers.

You must use the original remote of your device managing the sound in your entertainment system (e.g. your AV Receiver) to switch between inputs:

1. Using the original remote of your device managing the sound, select each input one-at-a-time.
2. For each input, note which device appears to be connected to that input. For example, if you switch to OPTICAL 1 and hear the sound from your DVD playing, you know your DVD player is connected to OPTICAL 1.
3. Repeat the previous step for each input.

5.11 Programming new commands

It is possible that a device's commands are not recognized, because maybe you have a very rare or very new device. Although Logitech updates their device list regularly, there are always new devices on the market. To remedy this, you can teach your *Harmony One* how to control this device by using the device's original remote. Also, you can add that way commands to devices already existing on your *Harmony One*, if necessary.

With the **Learn IR** feature of your *Harmony One* and the Harmony Remote Software, you can use your device's original remote to 'teach' your *Harmony One* new commands. You should only need to use this feature when Logitech's device list does not have your device listed, or there is a button you want to use that is missing from the device configuration.

To use the learning feature of your *Harmony One*, go to the Harmony Remote Software:

1. Select the **Devices** tab.
2. Click **Learn IR** located next to the device you want to control.
3. At the bottom of the following page you will find the input mask 'Learn a New Command'. Now enter a name for the new command to be learned and click on the button **Learn New Command**.
4. Follow the online instructions.

5.11.1 Naming conventions for new commands

When you teach your *Harmony One* a new command, you need to give the command a name. This way, you can refer to the command by name in various locations in the Harmony Remote Software.

Logitech recommends you use the default names listed on the **Learn IR** page. By using the default names, you minimize the chance of a button being assigned incorrectly on the *Harmony One*.

When naming a command for which there is no default name on the **Learn IR** page, use the following naming conventions to make button assignment easier:

- Do not use spaces or special characters such as /, & or * in the name.
- Capitalize the start of words (e.g. NextDisc, ModeDigital).
- Start the command name with its main function (e. g. VolumeRearUp, VolumeRearDown or VolumeFrontUp). This helps grouping related commands in lists.
- Start infrared commands that select inputs (e.g. on a stereo receiver) with the prefix 'Input'.
- Do not name the input based on what you've connected to your device, rather name it based on what it is called on the input panel of the device, or on the remote control (e. g. InputAux, InputVideo1, InputTape or InputDVD).

5.12 Teaching already existing commands

It may be possible that a command for a device exists in the configuration of your *Harmony One*, but the IR code the remote sends out does not work with your device you want to control. In this case, use the original remote to teach the *Harmony One* the correct IR code to solve the problem.

To use the learning feature of your *Harmony One*, go to the Harmony Remote Software:

1. Select the **Devices** tab.
2. Click **Learn IR** located next to the device you want to control.
3. Mark every command from the list you would like to teach the *Harmony One* by checking the box left to its name.
4. To start the learning procedure click on one of the **Learn Selected Commands** buttons in the list.
5. Follow the online instructions.

5.13 Speed settings

If your device does not react to a command from the *Harmony One*, it may be because the delay setting needs to be adjusted. By default, different devices take different amounts of time to react to a command from a remote control. To accommodate these differences in your devices, the *Harmony One* uses several types of delay, or speed settings, to control your devices.

Power On Delay

The Power On Delay is the amount of time that a device needs to 'warm up' before receiving another command. For instance, when you turned on a device, you may notice that the device needs a certain amount of time before it can receive another command from the remote.

Example:

Every time I turn on my system with an Activity, my TV powers on but does not go to the correct input. However, it does go to the correct input when switching between Activities when the TV is already on. The **Help** button fixes it each time, but I do not want to use the **Help** button every time.

Inter-key Delay

The Inter-Key Delay is the amount of time allotted for commands to be sent between button presses.

Example:

Any time I press volume up multiple times in a row, for my AV Receiver it takes a long time to increase the volume. I would like my devices to respond quicker to these presses.

Input Delay

The Input Delay is the amount of time that the remote takes when switching between inputs. Many devices need a certain amount of time before changing to the next input in the input list.

Example:

My TV does not always go to the correct input when switching between Activities and I have already verified that the input list is correct.

Inter-Device Delay

The Inter-Device Delay is the amount of time between commands for different devices when you start an Activity. The Inter-Device Delay is also the time between the next sequence of commands that are sent to other devices within an Activity.

Example:

My DVD player does not always turn on when I start the Activity. I can get the DVD player to turn on by using the **Help** button however I do not want to use **Help** every time.

Repeats

The Repeats are the number of times the remote repeats a command for a device to properly respond to the command. For instance, many devices need longer or shorter command repetitions to respond properly.

Example:

Any time I press channel up, my Digital Set Top Box skips two channels at a time.

5.13.1 Delay settings

To adjust the delay between IR commands, go to the Harmony Remote Software:

1. Select the **Devices** tab.
2. Select the device for which you want to apply the change and click **Settings**.
3. Select **Adjust the delays (speed settings)** and click **Next**.
4. Enter the desired values for Power On, Inter-Key, Input and Inter-Device Delays.
5. Click **Next**.
6. Follow the online instructions.



Note

- The Input Delay setting is only available for devices equipped with more than one input.

5.13.2 Repeat settings

To adjust the number of repetitions of IR commands, go to the Harmony Remote Software:

1. Select the **Devices** tab.
2. Select the device for which you want to apply the change and click **Settings**.
3. Select **Troubleshoot**.

4. Click **Next**.
5. Select **<Device name> responds to some commands either too many times or only occasionally**.
6. Click **Next**.
7. Follow the online instructions.

5.14 Setup your Favourite Channels

To set up your favourite channels, and to add your own icons, go to the Harmony Remote Software:

1. Select the **Activities** tab.
2. Under **Watch TV** or **Record Video**, click **Settings**.
3. Select **Set Up Favourite Channels** and follow the online instructions.

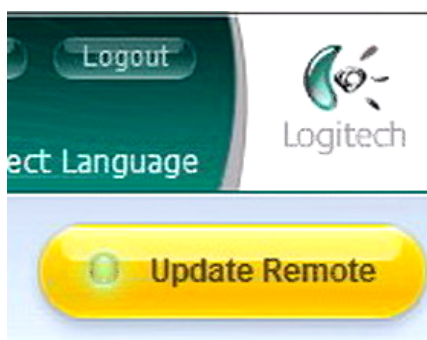


Note

- You can program Favourite Channels only for Activities **Watch TV** and **Record Video**.
- Mind the information about picture specifications in the Tip Center (top right).
- Due to copy right reasons, there are no icons provided. But you can find them easily on the internet.

5.15 Update remote

After you enter your Device and Activity information, the software saves all data. For the changes to take effect, the new data has to be transferred to your *Harmony One*. For this, go to the Harmony Remote Software and click on the **Update Remote** button (top right) and follow the online instructions.





Note

- The **Update Remote** button is available while you are on your home page or on one of the **Activities**, **Devices** or **Remote Settings** screen.
- To transfer the data from the Harmony Remote Software to the remote, your *Harmony One* has to be connected to your computer via the USB cable (refer to section '*Connecting the Harmony One to your computer*' on page 19). Otherwise the Harmony Remote Software will ask you to plug in the cable.
- In case of problems occurring during the update procedure, please use the Tip Center of each screen at first to find a solution.

After the software updated your remote, you are ready to test your setup. For specific details on testing your setup, refer to section '*Testing the remote setup*' on page 32.

5.16 Testing the remote setup

Every time you update your *Harmony One*, you should test your remote to ensure it is working the way you expect. This section gives you information you need to test your remote. It also has some suggestions on what to check while you are testing your setup. If you run into specific issues while testing your remote, refer to section '*Getting help with your Harmony One*' on page 41 of this manual for suggestions and possible fixes for your problems.

The process of testing your *Harmony One* is straightforward. It involves simply trying the Activities you use most often and then using the on-remote help to correct any issues.

In some cases, you may need to return to the Harmony Remote Software to make changes to your remote's setup to ensure the remote is working the way you want.

To begin testing your remote:

1. Ensure all the devices in your entertainment system are turned off.
2. Disconnect the USB from your remote.
3. Got to your entertainment system and try each of your Activities.
4. For tips on what to look for when starting an Activity, or switching between Activities, see the following tips.



Important

- In an Activity does not start correctly, press the **Help** button on the remote and the on-remote help will get you back 'in sync'. After you finished testing your Activities, be sure to re-test any Activity for which you had to use the Help feature.



Tip

- **Testing your setup – Starting an Activity**

Look for these things in particular:

- Did all of your devices for that Activity turn on?
- Do you hear the correct sound?
- If the Activity includes your video display device, do you see the correct picture?

- **Testing your setup – Switching between Activities**

Look for these things in particular:

- Are all devices needed for this new Activity on?
- Did devices not needed for this Activity turn off?
- Do you hear the correct sound?
- If the Activity includes your video display device, do you see the correct picture?

6 Personalizing the Harmony One

You can personalize your *Harmony One* to make the screen look and act the way you want.



Important

- For any new setting to take effect you have to update your remote (refer to section '*Update remote*' on page 31).

6.1 Upgrading to a new Harmony remote

When you upgrade to a newer or different Harmony model, you can transfer the configuration from your old remote to your new remote.

From the Harmony Remote Software:

1. Click **Remote Settings**.
2. Click **Manage Remotes**.
3. Click **Replace**.
4. Follow the online instructions.

6.2 Setting up the Remote Assistant

The Remote Assistant of your *Harmony One* guides you through starting Activities. It also gives you more information about the status of your remote and the Activity you selected.

For example, when you select the **Watch TV** Activity, the Remote Assistant asks you if the TV is on and if the other devices in the Activity are configured properly.

You can turn this feature on or off from the Harmony Remote Software or from the remote. The Remote Assistant can be turned off permanently only using the Harmony Remote Software.

To **activate** the Remote Assistant, from the Harmony Remote Software:

1. Select the **Remote Settings** tab.
2. Click **Display Settings**.
3. Select setting **On** for the option **Remote Assistant**.
4. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
5. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

To **permanently** turn **off** the Remote Assistant, from your Harmony Remote Software:

1. Select the **Remote Settings** tab.
2. Click **Display Settings**.
3. Select setting **Off** for the option **Remote Assistant**.
4. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
5. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

To temporarily turn the Remote Assistant off, from your *Harmony One*:

1. If necessary, press the **Activities** button to get the list of all Activities on your *Harmony One*.
2. If the list of Activities comprises more than one screen page, press the left arrow button beneath the screen to get to navigate to the last page of the list.
3. The last entry of the list always is **System Options**. Now, press the corresponding button to list all system options onto the screen.
4. Press button **Turn Remote Assistant off**.

To re-activate the Remote Assistant:

1. If necessary, press the **Activities** button to get the list of all Activities on your *Harmony One*.
2. If the list of Activities comprises more than one screen page, press the left arrow button beneath the screen to get to navigate to the last page of the list.
3. The last entry of the list always is **System Options**. Now, press the corresponding button to list all system options onto the screen.
4. Press button **Turn Remote Assistant on**.



Important

- In order to turn on and off the Remote Assistant directly on your *Harmony One*, the option **Remote Assistant** of your Harmony Remote Software has to be set to **On** (see above).

6.3 Setting up the on-remote help system

Using the Harmony Remote Software, you can customize the on-remote help of your *Harmony One* by selecting between two types of help:

Smart Help	asks questions about the devices that are on during a specific Activity.
Full Help	asks questions about all the devices in your account.

From the Harmony Remote Software:

1. Select the **Remote Settings** tabs.
2. Click **Display Settings**.
3. Select the desired setting for option **On-remote Help system**.
4. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
5. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.4 *Adjusting the glow timing*

The *Harmony One* senses when you pick it up, and lights up the display and buttons. To set the length of time the backlight stays on, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Display Settings**.
4. Select the desired **Glow Timing** between **5** and **30** seconds.
5. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.5 *Setting up the time display format*

To set up the time display, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Display Settings**.
4. Select the desired **Time Display Format**.
5. When you are finished configuring the remote options, click the **Save** button down right to save the changes.

6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.6 Show 'Starting Activity' screen

This screen is a reminder to keep the *Harmony One* pointed at your entertainment system while each Activity starts. This ensures that all the IR signals are sent properly.

To switch on/off this reminder, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Display Settings**.
4. Select the desired setting for option **Show 'Starting Activity' screen**.
5. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.7 Setting up the tilt sensor

The *Harmony One* has a built-in Tilt Sensor that automatically turns on the backlight (Glow) when you pick up the remote.

To switch on/off the Tilt Sensor, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Display Settings**.
4. Select the desired setting for option **Enable Tilt Sensor**.
5. When you are finished configuring the remote options, click the **Save** button down right to save the changes.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.8 Set a background

A background is an image displayed on the remote. You can choose to use the default background or add your own background image. The remote will automatically resize the image to fit the screen.



Note

- For best results, your image should be 128 pixels in width and 160 pixels in height. If your image is smaller than this, then it will be stretched to fit these settings. If your image is larger than this, then it will be shrunk to fit these settings. The maximum file size is 160 KB for each image you wish to upload. If your image size is greater than 160 KB you will need to use image editing software to reduce the size. Only JPG, GIF, PNG, and BMP image formats are supported.

To set up the background, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Set a Background**.
4. Click **Use Custom** button to load a picture of your choice. Follow the online instructions.
Alternatively, click **Use Default** button to set the default background.
5. When you are finished selecting the background, click the **Save** button down right to save the changes.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.9 Adding a slide show

You can use your own pictures or images to create a slideshow on your *Harmony One*. To add a slideshow to your *Harmony One*, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Set Up a Slideshow**.
4. Follow the online instructions.
5. Finish editing your slideshow by clicking on **Save**.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.



Tip

- For optimal results, use images in JPG format with a width of 128 pixels and a height of 160 pixels. Your image will automatically be adjusted to meet these requirements.

- The maximum file size is 160 KB. Only JPG, GIF, PNG, and BMP image formats are supported.
- Animated GIF images will not display correctly on the remote.
- A GIF image with a transparent background does not display correctly on the remote.

6.9.1 Displaying a slide show

The slideshow automatically displays on the remote's screen while the remote is in the charging station.

You can also start the slideshow manually using the *Harmony One*:

1. If necessary, press the **Activities** button to list all Activities on the screen of your *Harmony One*.
2. If the Activities list has more than one page, press the left Arrow button beneath the screen to get to the last page of the list.
3. The last list entry is always **System Options**. Press the corresponding button to list all system options on the screen.
4. Press the **Start the Slide Show**
5. To return to the current Activity or to the Activities list press any button.

6.10 Selecting and changing a theme

You can change the theme on your *Harmony One* to any of the themes included with the Harmony Remote Software. When you select a new theme, you change the look of your remote's screen.

To change the theme of your *Harmony One*:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Select the **Remote Settings** tabs.
3. Click **Select a Theme**.
4. Follow the online instructions.
5. Confirm your selection by clicking on **Save**.
6. To transfer the new configuration to your remote, click the **Update Remote** button and follow the online instructions.

6.11 Updating the firmware

The *Harmony One* contains internal software, called firmware. The remote's firmware is similar to your computer's operating system. Logitech updates the firmware for your remote to ensure you are always getting the most from your *Harmony One*. Generally, when you connect your remote to your computer the Harmony Remote Software updates your remote automatically if new firmware is available.

To manually update the firmware, follow these steps:

1. Start the Harmony Remote Software on your computer and login to your account.
2. Click the **Downloads** button.
3. Click the **Firmware** button.
4. Follow the online instructions.

6.12 Registering a new user account

In case you would like to register a new user account, follow these steps:

1. Start the Harmony Remote Software or, if already logged in, click the **Logout** button on the top right.
2. Click **Create New Account**.
3. If necessary, view the tutorial. Otherwise click **Skip Tutorial**.
4. Fill in the required information for your new account.
5. If you gathered the device information for all devices of your entertaining system using the Device Worksheet, the setup wizard guides you through four steps in which you answer a series of questions about how your entertainment system is set up:

Check connection: The software ensures your computer and *Harmony One* communicating with each other.

Set up Devices: The software walks you through entering the manufacturer and model numbers of your entertainment system that you collected using the Device Worksheet.

Setup Activities: The software asks you questions about how your entertainment system is set up, and then saves the settings.

Update Remote: The software transfers the information from your computer to the remote.



Tip

- To simplify the setup process, we recommend you fill out the Device Worksheet, so that all the device information is at hand when you need it (refer to section '*Device Worksheet*' on page 47). Manufacturer names and model numbers are typically found at the front of the device, on a label on the back of the device, or in the user manual for that device.

7 Getting help with your Harmony One

The Harmony Remote Software will guide you step-by-step through the set up of your *Harmony One*. You answer simple questions or select options from a list to optimally adjust the *Harmony One* to your entertainment system. You simply follow the online instructions on your computer screen.

Additionally, during set up and using the *Harmony One* further help is available, which is discussed in the following.

7.1 Tip Center

While configuring the *Harmony One* using the Harmony Remote Software, the **Tip Center** on the right of the screen is always available. There you will find a brief summary of information relevant to the current task. If you click the **More Help** button in the Tip Center, the **Harmony Online Help** window will pop up. There you will find further information on your current task, but also information on further topics as well as a list of frequently asked questions (FAQ).

7.2 Tutorial

While you are on the login screen of the Harmony Remote Software, click **Create New Account**. Select the desired tutorial (depending on the bandwidth of your internet connection) on the next screen. At the end of the tutorial do not enter any information to a new account, but click **Cancel** to return to the login screen.

7.3 The on-remote help system

When one or more of your devices do not power on or off, or when they do not switch inputs correctly, you can use the **Help** button on the remote for simple troubleshooting. Answer the questions on your *Harmony One* to re-synchronize it with your entertainment system. Please also read section 'Using the Help button' on page 13.

7.4 Frequently asked questions (FAQ)

In this section, you will find some commonly reported issues and the suggested solutions. These solutions may help you fix problems you are experiencing. If you still cannot fix the problem, refer to the online help of the Harmony Remote Software.



The TV does not turn on when starting an Activity, but using the Help button on the remote fixes the issue.

Try increasing the Inter-Device Delay for your television. Sometimes commands are sent too close together for different devices and need to be spaced out more.



The TV does not go to the right input when starting Activities.

Using the Harmony Remote Software, check your Activity to ensure the Activity is set up to use the correct input your TV needs to be set on to get a picture. Next, check that the inputs are in the correct order for the *Harmony One* to know how to cycle through each input. If you are still experiencing trouble, try raising the Inter-Device and Input Delays for your TV.



When pressing buttons in an Activity, the remote sends the command twice.

Try lowering the repeats for the device that is receiving the command. You can do this by using the troubleshoot option in the Harmony Remote Software as discussed in section '*Speed settings*' on page 29.



When you try to add a new TV to your account, you get a message informing you that you have not entered the correct model number.

The model number for most devices can be found on the front of the device. If it is not there, it can be found on a label on the back or bottom of the device. The model number should not be confused with the serial number or the model number of the device's remote control, as many different devices by a manufacturer can share the same remote.



The command <XXX> for Activity <YYY> is not on the Harmony One.

You can map the command to any unused button on the *Harmony One* or on the remote's screen. The command is likely in the database, but was not mapped to the Activity. If a command is actually missing, the *Harmony One* can learn it from the original remote, see section '*Programming new commands*' on page 27.



The Harmony Remote Software is unable to communicate with the Harmony One.

Try disabling any Internet security software you might have including firewalls and anti-virus software.

7.5 Logitech support hotline

If you are experiencing problems and cannot find the solution, the courteous and expert professionals of the Logitech support team. Please use the toll-free phone numbers of the Logitech Harmony Support Hotline:

Europe			
Country	Support Languages	Toll Free Support Number	Support Hours
Austria	Deutsch	0800 296 615	Mon to Fri 09:00 – 21:00 CET Sat 10:00 – 18:00 CET
Germany	Deutsch	0800 000 6726	
Switzerland	Deutsch	0800 558 677	
Belgium	Français	0800 80309	Mon to Fri 09:00 – 20:00 CET Sat 10:00 – 18:00 CET
	Nederlands	0800 80310	
Czech Republic	English	0800 142957	
France	Français	0805 540 357	
Hungary	English	06 800 16 539	
Ireland	English	1800 882928	
Luxemburg	Français	800 26129	
Netherlands	Nederlands	0800 0226903	
Switzerland	Français	0800 561767	
	Italiano	0800 561814	
United Kingdom	English	0800 032 64 33	
Denmark	Dansk	808 87905	Mon to Fri 09:00 – 18:00 CET
Finland	Suomi	0800 913192	
Italy	Italiano	800 979229	
Norway	Norsk	800 11673	
Poland	Polska	0-0 800 441 18 33	
Portugal	Portuguese	800 844573	
Russia	русский	81 0800 202 71044	
Spain	Español	900 811863	
Sweden	Svenska	020 1701520	
All other countries	English	+41 21863 5470 <u>International Rates Apply</u>	Mon to Fri 09:00 – 20:00 CET Sat 10:00 – 18:00 CET

Americas			
Country	Support Languages	Toll Free Support Number	Support Hours
Canada	Español	1-800-499-3508	Mon to Fri 09:00 – 19:00 ET
	English	1-866-291-1505	Mon to Fri 09:00 – 22:00 ET Sat & Sun 10:00 – 17:30 ET
	Français	1-800-392-0431	Mon to Fri 09:00 – 22:00 ET
USA	English	1-866-291-1505	Mon to Fri 09:00 – 22:00 ET Sat & Sun 10:00 – 17:30 ET
	Français	1-800-392-0431	Mon to Fri 09:00 – 22:00 ET
	Español	1-800-499-3508	Mon to Fri 09:00 – 19:00 ET
Argentina	Español	0800-555-3284	Mon to Fri 09:00 – 20:00 (Sao Paulo time)
Brazil	Portuguese	0800-891-4173	
Mexico	Español	001-800-578-9619	

Asia / Pacific			
Country	Support Languages	Toll Free Support Number	Support Hours
Australia	English	1800 726 063	Mon to Fri 11:00 – 22:00 Sat & Sun 11:00 – 20:00 (Sydney time)
Hong Kong	English	800 966 969	Mon to Fri 08:00 – 20:00 Sat & Sun 08:00 – 17:00 (Singapore / Hong Kong time)
Singapore	English	800 6011 371	
India	English	000 800 600 1133	Mon to Fri 09:00 – 21:00 IST Sat & Sun 09:00 – 18:00 IST
New Zealand	English	0800 303 855	Mon to Fri 13:00 – 01:00 Sat & Sun 13:00 – 22:00 (Auckland time)
Thailand	English	1800 060 119	Mon to Fri 07:00 – 19:00 Sat & Sun 07:00 – 16:00 (Bangkok time)

7.6 Logitech's Harmony Remote user forums

You can also access the user forums to get in contact with other users. Simply go to <http://forums.logitech.com/>.

7.7 Glossary

The glossary explains some often used terms.

Amplifier	A stereo component that outputs to speakers, and increases the gain or level of an audio signal. An amplifier does not typically include a radio.
Anamorphic views	Also referred to as Enhanced for Widescreen, or Enhanced for 16:9. The process that horizontally shrinks a 16:9 image into 4:3 space to convert images between widescreen and typical television image aspect ratio. Used on many DVDs.
Aspect ratio	The ratio of image width to image height. Common motion-picture ratios are 1.85:1 and 2.35:1. Television screens are usually 1.33:1 (also known as 4:3). HDTV is 1.78:1, or 16:9.
A/V switch	A device with several audio and video source inputs that sends a selected audio/video source input signal to an output device like speakers or a TV.
DLP® (Digital Light Processing)	Projector screen technology that relies on using individually controlled tiny mirrors (micro mirrors) to produce an image. Developed originally by Texas Instruments.
DVD recorder (DVR)	A standalone unit that resembles and functions very much like a VCR. Like a VCR, DVD recorders all have AV source inputs, as well it can record TV shows.
HDTV (High Definition Television)	The high-resolution form television. HDTV has 1125 lines of resolution, or more than five times the video information than that of a TV set, creating a much crisper, more detailed picture.
Light controller	A device that is connected to a set of lights and allows the lights to be powered or dimmed remotely.
Mini-system	A single unit that is some combination of the functionality of a DVD, VCR, radio, and amplifier.
NTSC (National Television System(s) Committee)	The standard video broadcast format used in North America..
Output Device	A device that produces the sound or picture, for example, a TV or speakers
PAL (Phase Alternating Line)	A video format that is used in the UK, Germany and other parts of Europe and Asia
Passthrough	A device that routes video or audio from one device to another device.
Personal Video Recorder (PVR)	Contains an internal recorder and player that records and plays video without the use of a removable tape or disc. Typically, PVRs can pause, rewind, instantly replay, and play slow-motion for live and recorded TV. Examples of PVR service providers are TiVo, ReplayTV, Ultimate TV, and Keen PM. Many satellite providers also provide PVR services and have PVRs included in some of their satellite receivers.

Pre-amplifier	A control and switching component that may include equalization functions.
Pre-amp Sound Processing	Takes a small signal and amplifies it sufficiently to be fed into the power amplifier for further amplification. A pre-amp includes all of the controls for regulating tone, volume, and channel balance. This task is known as sound processing..
Receiver	Also referred to as a tuner or a stereo receiver. A receiver can be any component that receives or tunes broadcast signals, or AM/FM radio. Typically refers to the single component that includes a pre-amplifier, surround processor, multi-channel amplifier, and AM/FM tuner.
RF (Radio Frequency)	Used by some remote controls, to control devices because it does not have the same line-of-sight restrictions as IR (infrared) signals.
SACD (Super Audio CD)	A read-only optical disc aimed at providing much higher quality of digital audio reproduction than the compact disc.
Satellite Radio	A service that provides digital programming directly from satellites. Currently the two main providers for that service in the United States are XM and Sirrus.
SDTV (Standard Definition Television)	One mode of operation of digital television where the broadcaster transmits pictures with detail similar to, or slightly better than, today's analog television. Since the picture contains less information, there is 'room' in the digital signal for multicast broadcasting.
Stereo receiver	see Receiver
Tuner	see Receiver
Power strip	A common device that acts like an extension cord, providing additional cord length, as well as a mechanism that offers several electrical outlets.
Z-Wave	A radio frequency-based technology used in some home automation products that allows a single remote to control devices anywhere in the house by sending the signal from device to device around the house until it reaches the correct device.

8 Device Worksheet

Use this worksheet to gather all necessary information on all the devices of your entertainment system before configuring your *Harmony One*.

Add Devices: Worksheet

Getting Started
✓
Add Devices
Create Activities
Finish Setup

In the **Add Devices** step of the setup software, you will need to enter information about the components in your entertainment system. Fill out this worksheet to use as your guide.

List the entertainment components below that you would like your new remote to control as a system.

Device Type	Manufacturer	Model Number
example: DVD Player	example: Pioneer	example: DV-414

Tips for identifying Device Type:

- a general category description
- examples: Television, VCR, CD Player, DVD Player, Stereo Receiver, Amplifier, Game Console, etc.

Tips for identifying Manufacturer:

- also referred to as "make" or "brand name"
- typically on the front of the component
- sometimes on the label with the Model Number
- examples: Sony®, Phillips®, Denon®, DirecTV®, TiVo®, etc.

Tips for identifying Model Number:

- also "Model" or "M/N"
- usually on a label on the front, back or bottom of the component (see the Tip Center)
- model number may be different than model name
- also found in the component's user manual
- NOT model number on the old remote control
- NOT serial number (SN) which is usually much longer
- examples: RC-QN3BK, CT-36XF36C, Explorer 3100, L32 HDTV 10A, etc.

Tip Center
How to Find Model Numbers

On most entertainment components, the model number is usually found on a label located on the front, back or bottom.

If you cannot find the model number on the component itself, the user manual that came with your component should list the manufacturer and model number.

Once you have entered all of your information, take this worksheet to your computer and continue with the Setup software.

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Tip

- You can also download this worksheet using the **Device Worksheet** hyperlink in the **Tip Center** on the right side of the Harmony Remote Software screen when you start entering the device information.

9 System requirements

System requirements	
PC	Pentium® or compatible processor Windows®, 2000/XP/Vista/7 USB port, CD-ROM drive, Internet access
MAC	MAC OS® X (10.3 or later) USB port, CD-ROM drive, Internet access

10 Technical Data

Function	Audionet Systemfernbedienung
LCD-Display	5.5cm Diagonal, 200x176 Pixel, 64000 Colors
Touch screen technology	Capacitive
Power source	Rechargeable, Lithium Ion
Maximum number of devices per account	15
Backlight	White or Amber (depending on mode)
IR transmission range	Up to 20 m
Dimensions	22,2 x 5,8 x 3,3 cm
Weight	170 g (with battery installed)

Errors and omissions excepted. Specifications and design are subject to changes without prior notice.

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